

In re Patent Application of:
FULLER
Serial No. 09/740,322
Filed: DECEMBER 18, 2000

VERSION WITH MARKINGS TO SHOW CHANGES MADE

In the Specification:

The paragraph beginning at page 1, line 1 has been amended as follows:

The application is related to U.S. Patent Application Serial No. [] 09/740,323 filed on [] December 18, 2000 by the same inventor which is incorporated herein by reference in its entirety.

The paragraph beginning at page 5, line 32 has been amended as follows:

This configuration of [a] the generator stator core and the stator core frame support provides a stable power generation system. This configuration also advantageously relieves vibration and prevents lateral movement of the generator stator core associated with transient faults that occur during operation. This configuration still further advantageously compensates for tangential and radial forces encountered by the power generation system when the generator stator core experiences the "oval mode" condition. By relieving vibration and eliminating lateral movement of the generator stator core and by further stabilizing the power generation system, a smaller and more efficient generator stator core frame support member is provided. The present invention relieves vibration and prevents lateral movement of the generator stator core by providing a plurality of connections between the generator stator core and the stator core frame support member along medial side portions of the generator stator core. The power generation system is further stabilized by eliminating a support contact between a bottom

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portion of the generator stator core and the stator core frame support. The power generation system is still further stabilized by eliminating a support contact between a top portion of the generator stator core and the stator core frame support. These configurations of the power generation system advantageously eliminate lateral force components associated with transient faults, reduces vibratory forces associated with operation of the generator stator core, stabilizes the power generation system, and further advantageously reduces costs and time associated with providing a support frame for a high voltage generator stator core. These configurations of the power generation system also advantageously compensate for temporary deformations of the power generation stator core when the generator stator core experiences an "oval mode" condition during operation.

The paragraph beginning at page 6, line 33 has been amended as follows:

The present invention still further provides a generator stator core support apparatus for stabilizing a power generation system and for relieving vibration and eliminating lateral movement of the generator stator core during operation. The generator stator core support apparatus preferably includes first core connecting means for connecting the generator stator core to a stator core frame support when the generator stator core is positioned to overlies lower inner surface portions of the stator core frame support. The first core connecting means is positioned to contact a first outer peripheral medial side portion of the generator stator core and to contact a first upper medial side portion of the stator core frame support. The generator stator core support apparatus also includes second core connecting means for

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connecting the generator stator core to the stator core frame support. The second core connecting means is positioned to contact a second outer peripheral medial side portion of the generator stator core. The second outer peripheral medial side portion is positioned opposite the first outer peripheral medial side portion of the generator stator core. The second core connecting means is further positioned to contact a second upper medial side portion of the stator core frame support. The second medial side portion of the stator core frame support is positioned opposite the first medial side portion of the stator core frame support. The combination of the first and second core connecting means connects portions of the generator stator core to portions of the stator core frame support to thereby stabilize the power generation system and relieve vibration and prevent lateral movement of the generator stator core during operation. The combination of the first and second core connecting means is further positioned to support the generator stator core when connected thereto without a support contact between a lower end portion of the generator stator core and the lower inner surface portions of the stator core frame support or a support contact between an upper end portion of the generator stator core and the inner surface portions of the stator core frame support. There is no longer a stiff support between the generator stator core and the stator core frame support when the connecting support is eliminated between the lower end portion or the upper end portion of the generator stator core and the stator core frame support. By providing an interstitial space between the upper and lower end portions of the generator stator core and the inner surface portions of the stator core frame support, lateral forces associated with transient faults that occur during operation of the generator stator core are

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eliminated. This [interstitial] interstitial space also relieves vibration of the generator stator core during operation and compensates for temporary deformations that produce tangential and radial forces encountered by the generator stator core while experiencing an "oval mode" condition during operation. By relieving vibration, eliminating lateral movement, stabilizing the power generation system and compensating for the "oval mode" condition, the present invention advantageously decreases the load from the generator stator core to the stator core frame support. The decreased load allows for a smaller and more efficient stator core frame support. A smaller frame advantageously provides a shorter load path along which the load from the generator stator core to the stator core frame support must travel. This configuration further advantageously reduces costs and time associated with providing a support frame for a high voltage generator stator core thereby providing an efficient stator core frame support.

In the Claims:

Please amend Claims 1-3 as follows:

1. (Amended) A power generation system comprising:
a stator core frame support member having a lower inner surface portion and a lower outer surface portion, the lower outer surface portion positioned to contact a support surface;

a generator stator core including a plurality of longitudinally extending keybars [positioned] spaced-apart [and extending] along outer peripheral portions of the generator stator core, the generator stator core positioned to overlie the lower inner surface portion of the stator core

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3. (Amended) The power generation system as defined in Claim 1, [further comprising] wherein the plurality of keybars comprise at least two keybars positioned spaced-apart along a first outer peripheral side portion of the generator stator core, and further comprising at least another two keybars positioned spaced-apart along a second side outer peripheral side portion of the generator stator core, the second outer peripheral side portion of the generator stator core positioned opposite from and symmetric to the first outer peripheral side portion of the generator stator core.

Please cancel Claims 10-29 without prejudice to Applicant's to file a continuation directed to the subject matter thereof.



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3	1449	1
4	NFDR	2

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Remarks:

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